

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

J. Patrick Thompson, et al.

Confirmation No.: 1588

Application No.: 10/647,058

Group Art Unit: 2651

Filing Date: August 21, 2003

Examiner: Not Yet Assigned

SYSTEMS AND METHODS FOR REPRESENTING UNITS OF

INFORMATION MANAGEABLE BY A HARDWARE/SOFTWARE INTERFACE SYSTEM BUT INDEPENDENT OF PHYSICAL

REPRESENTATION

DATE OF DEPOSIT: 2/5/04

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID, ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE UNITED STATES PATENT AND TRADEMARK OFFICE, P.O. BOX 1450, ALEXANDRIA. 22313-1450

TYPED NAME: David DeSanto

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

In accordance with § 1.97(b), since this Information Disclosure Statement is \boxtimes being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of

	of a first Office Action on the merits of the above-identified application, of					
	before the mailing d	ate of a first Office Action after the filing of request for				
	continued examination under § 1.114, no additional fee is required.					
	In accordance with §	1.129(a), this Information Disclosure Statement is being				
filed in connection with the first or second After Final Sul						
	therefore:	•				
	Certif	ication in Accordance with § 1.97(e) is attached; or				
	The fe	ee of \$180.00 as set forth in § 1.17(p) is attached.				
	In accordance with §	§ 1.97(c), this Information Disclosure Statement is being				
filed after the period set forth in § 1.97(b) above but before the mailing either a Final Action under § 1.113 or a Notice of Allowance under § 1.						
		Certification in Accordance with § 1.97(e) is attached;				
		or				
		The fee of \$180.00 as set forth in § 1.17(p) is attached.				
	In accordance with §	§ 1.97(d), this Information Disclosure Statement is being				
	filed after the mailin	g date of either a Final Action under § 1.113 or a Notice				
	of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with 1.97(e); and the submission fee of <u>\$180.00</u> as set forth in § 1.17(p).					

the above identified application as set forth in § 1.491, before the mailing date

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PATENT

	Copie	s of each of the references listed on the attached Form PTO-1449 are						
	enclos	sed herewith.						
\boxtimes	Copie	s of references listed on the attached Form PTO-1449 are enclosed						
	herewith							
\boxtimes	Copie	Copies of references listed on the attached Form PTO 1449 are not required to						
	be su	bmitted pursuant to the June 30, 2003 recent revisions to 37 CFR §						
	1.98(a	u)(2)(i).						
	EXCEPT THAT:							
		In view of the voluminous nature of references [list as appropriate],						
		and the likelihood that these references are available to the Examiner,						
		copies are not enclosed herewith.						
		In accordance with § 1.98(d), copies of the following references listed						
	on the attached Form PTO-1449 are not enclosed herewith							
		they were previously cited by or submitted to the U.S. Patent as						
	Trademark Office in patent application(s) for which a claim for pri							
		under 35 U.S.C.§ 120 have been made in the instant application:						
		Copies of references [list as appropriate] listed on the						
		attached Form PTO-1449 were previously cited by or submitted						
		to the Patent and Trademark Office in prior Application No.						
		, filed .						

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

There are no listed references which are not in the English language.

Date:

Richard W. Knight

Registration No. 42,751

WOODCOCK WASHBURN LLP

2/5/04

One Liberty Place - 46th Floor

Philadelphia, PA 19103 Telephone: (215) 568-3100

Facsimile: (215) 568-3439

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Form PTO-1449 Modified			Docket No. MSFT-1748/302722.01	Application No. 10/647,058	
List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office			Applicant J. Patrick Thompson, et al.		
			Filing Date August 21, 2003	Group 2651	
·			Confirmation No. 1588		
го	HEF	R DOCUMENTS (Inclu	ding Author, Title, Date, l	Pertinent Pages, Etc.)	
	1	D'Andrea, A. et al., "U Management System",	nisql's Next-Generation Ob ACM SIGMOD Record, Sep	ject-Relational Database otember 1996, 25(2), 70-76	
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EXAMINER			DATE CONS	SIDERED	





Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office				Docket No. MSFT-1748/302722.01	Application No. 10/647,058	
				Applicant J. Patrick Thompson, et al.		
				Filing Date Group August 21, 2003 2651		
				Confirmation No. 1588		
		U. S	S. PATENT	DOCUMENTS		
Examiner Initial		Document No.	Date	Name	Class	Subclass
	2	2002/0198891 A1	12/26/02	Li, et al.	707	102
	3	2002/0091702 A1	07/11/02	Mullins	707	100
-	4	5,900,870	05/04/99	Malone, et al.	345	333
•	5	6,047,291	04/04/00	Anderson, et al.	707	103
•	6	6,108,004	08/22/00	Medl	345	346
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	13	6,578,046 B2	06/10/03	Chang, et al.	707	103
		FORE	IGN PATI	ENT DOCUMENTS		
Examiner			D (C	Translation	
<u>Initial</u>		Document No.	Date	Country	YES	NO
EXAMINER	<u> </u>			DATE CONSIDERED		